|          |           |  |                 |          |          |          |         |                |          |            |           |           |          |                   | 0/77     |           |              | 5               |          |          |            |                   |        |              |                   | ΘE,     | JEF     | RRY      | DONALD |
|----------|-----------|--|-----------------|----------|----------|----------|---------|----------------|----------|------------|-----------|-----------|----------|-------------------|----------|-----------|--------------|-----------------|----------|----------|------------|-------------------|--------|--------------|-------------------|---------|---------|----------|--------|
|          |           |  |                 |          |          |          |         |                |          |            |           | E         | Examiner |                   |          |           |              |                 |          |          |            | Art Unit          |        |              |                   |         |         |          |        |
|          |           |  |                 |          |          |          |         |                |          |            |           |           | Α        | Andrea M. Valenti |          |           |              |                 |          |          |            |                   | 3643   |              |                   |         |         |          |        |
|          |           | <b>√</b>   | Rejected        |          |          |          | [-      | (Through numer |          |            |           |           | ral)     | al)               |          | N         | Non          | -Elec           | ted      |          | A          | Appeal            |        |              |                   |         |         |          |        |
| -        |           | =  | Allowed         |          |          | 1        |         | +              |          | Restricted |           |           |          |                   | ľ        | ı         | Interference |                 |          |          | 0          | Objected          |        |              |                   |         |         |          |        |
| Cla      | aim       | _<br>  |                 |          | D        | ate      |         |                |          |            | Cla       | aim       |          |                   | D        | ate       |              |                 |          | С        | laim       |                   |        |              | Date              |         | <b></b> |          |        |
|          | ख         | 7  |                 |          |          |          |         |                |          |            | _         | <u>a</u>  |          | T                 |          |           |              |                 |          |          | a          |                   |        |              |                   |         |         |          |        |
| Final    | Original  | 3/2/05   |                 |          |          |          |         |                |          |            | Final     | Original  |          |                   | i        |           |              |                 |          | Final    | Original   |                   |        |              |                   |         |         |          |        |
|          | 1         | IÁ   |                 |          |          |          |         | 上              |          |            |           | 51        |          |                   |          |           | $\exists$    |                 |          |          | 101        |                   |        | 上            |                   |         |         |          |        |
| 1 2      | 2         | =  |                 |          | $\perp$  | +        | -       | ļ              | -        |            |           | 52<br>53  | +        | +                 | $\vdash$ | +         | $\dashv$     |                 |          | <u> </u> | 102        | $\vdash \vdash$   | +      | +            | $\vdash \vdash$   | +       | +       | Н        |        |
| 3        | 3         | = =  | H               | -        | +        | +        | +       | ╁              | +        |            |           | 54        | +        | ╁                 | +        | +         | +            |                 |          | -        | 103        | $\vdash$          | +      | +            | $\vdash$          | +       | +       | Н        |        |
| 4        | 5         | =  |                 | $\neg$   | _        | +        | $\top$  | $\top$         |          |            |           | 55        | $\top$   | 1                 | $\top$   | T         | 7            |                 |          |          | 105        | $\Box$            | $\top$ | T            |                   |         |         |          |        |
| 5        | 6         |  |                 |          | $\Box$   |          |         |                |          |            |           | 56        |          | $\perp$           |          |           |              |                 |          |          | 106        | П                 |        |              | Ш                 |         |         |          |        |
| 6        | 7<br>8    | 三  |                 | $\dashv$ | $\dashv$ | +        | +       | ╀              | ├        |            |           | 57<br>58  |          | +                 |          | $\dashv$  | +            | _               |          |          | 107<br>108 | $\vdash$          | +      | +-           | $\vdash$          | +       | -       | Н        |        |
| 4240     |           |  |                 |          | +        | +        | <u></u> | ╁              | $\vdash$ |            |           | 59        | +        | +                 | +        | +         | +            |                 | -        | -        | 109        | $\forall$         | +      | +            | H                 | +       | +       | Н        |        |
|          | 10        |  |                 |          |          |          |         |                |          |            |           | 60        |          |                   |          |           |              |                 |          |          | 110        |                   |        |              |                   |         |         |          |        |
|          | 11        |  |                 |          |          |          |         | ļ.,            | ┖        |            |           | 61        |          | <u> </u>          | 4        | _         | $\perp$      |                 |          |          | 111        |                   | _      | ↓_           | Щ                 | _       |         |          |        |
|          | 12<br>13  | M  |                 | $\dashv$ | $\dashv$ | +        | +       | ╀              | ╁        |            |           | 62<br>63  |          | -                 | $\vdash$ | -         | +            |                 |          |          | 112<br>113 | $\vdash$          | -      | +-           | $\vdash$          | +       |         | $\dashv$ |        |
| WA       | 14        | H  |                 |          | +        | +        | +       | H              | 1        |            |           | 64        | -        | ╁                 |          | $\dagger$ | $\dashv$     |                 | Hiii     |          | 114        | $\vdash$          | +      | +            | H                 | +       |         | H        |        |
|          | 15        |  |                 |          |          |          |         |                |          |            |           | 65        |          |                   |          |           |              |                 |          |          | 115        |                   |        |              |                   |         |         |          |        |
|          | 16        |  |                 |          | $\Box$   |          | $\bot$  | $\perp$        |          |            |           | 66        |          | lacksquare        | $\Box$   | $\perp$   | $\perp$      |                 |          |          | 116        |                   | $\bot$ | $oxed{\Box}$ | П                 |         |         |          |        |
| 8        | 17<br>18  | = 2  |                 |          | -        | $\perp$  | ╬       | ╄              | -        |            |           | 67<br>68  | +        |                   | $\vdash$ | +         | 4            | +               | Н!!!     | <u> </u> | 117<br>118 | $\vdash$          |        | -            | ╌┼                |         |         | Н        |        |
| 10       | 19        | =  | Н               | $\dashv$ | $\dashv$ | +        | +       | ╁              |          |            |           | 69        | +        | ╁                 | +        | $^{+}$    | +            |                 | -        | -        | 119        | $\vdash$          | +      | +            | $\vdash$          | +       | +       | $\dashv$ |        |
| 11       | 20        | =  |                 |          |          |          |         |                |          |            |           | 70        |          |                   |          |           |              |                 |          |          | 120        |                   |        |              |                   |         |         |          |        |
| 12       |           | Ξ  |                 |          | $\Box$   |          |         |                |          |            |           | 71        | $\Box$   |                   |          | $\perp$   | $\Box$       |                 |          |          | 121        | Ш                 |        |              | Ц                 | $\perp$ |         |          |        |
|          | 22<br>23  | ┼  | $\vdash$        | $\dashv$ |          |          |         | ╄              | ╄        |            | ļ         | 72<br>73  |          | +-                |          | +         | +            | _               | <b>—</b> | <u> </u> | 122        | $\vdash$          | +      | +            | H                 | +       |         | $\dashv$ |        |
| -        | 24        | +  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +       | 十              | ╁        |            |           | 74        | _        | +                 | +        | $\dashv$  | $\dashv$     |                 |          | $\vdash$ | 123        | $\vdash$          |        | ╁            | $\vdash$          | +       |         | $\dashv$ |        |
|          | 25        | <del>                                     </del> |                 |          | 7        | 1        | T       |                | Ì        |            |           | 75        |          |                   |          | T         | 7            |                 |          | -        | 125        | $\sqcap$          | _      | 1            |                   | 1       |         | П        |        |
|          | 26        |  |                 | $\Box$   | $\perp$  | $\perp$  | $\perp$ |                |          |            |           | 76        |          |                   |          | $\prod$   |              |                 |          |          | 126        | Ш                 |        |              |                   |         |         |          |        |
| <u> </u> | 27        | ┡  | Ш               | $\dashv$ | $\dashv$ | +        | -       | 1              | ـ        |            |           | 77        |          | -                 | _        | 4         | 4            | _ _             | <u> </u> | <u> </u> | 127        |                   |        | -            | Ш                 | -       | $\perp$ | Ш        |        |
|          | 28<br>29  | 1  | Н               | $\dashv$ | +        | +        | +       | ╁              | ╁╌       |            |           | 78<br>79  | -        | +-                | -        | +         | -            | -               | H        | $\vdash$ | 128<br>129 | ┼┤                | +      | +            | $\vdash$          | +       | +       | H        |        |
|          | 30        | $\vdash$   | Н               | +        | $\dashv$ | +        | $\top$  | t              | $\vdash$ |            | <u> </u>  | 80        | -        | $\top$            | $\vdash$ | $\dagger$ | $\dashv$     | 1               | H        | -        | 130        | H                 | +      | +-           |                   | +       | +       | $\dashv$ |        |
|          | 31        |  |                 | $\Box$   | $\Box$   | $\perp$  | $\perp$ | L              |          |            |           | 81        |          |                   |          | $\top$    |              |                 |          |          | 131        | П                 |        |              |                   | 工       |         |          |        |
|          | 32        | <b>├</b>   | Н               | _        | -1       | +        | +       | _              | <u> </u> |            | <u> </u>  | 82        |          | $\bot$            | $\perp$  | _         | 4            |                 | <u> </u> |          | 132        | $\sqcup$          |        | 4-           | $\sqcup$          | _       | $\perp$ | Ш        |        |
| -        | 33<br>34  | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ | +        | +       | ╁              | $\vdash$ |            |           | 83<br>84  | +        | +                 | $\vdash$ | +         | +            | +               | $\dashv$ | -        | 133<br>134 | $\vdash \vdash$   | +      | +-           | $\vdash \vdash$   | +       | +-      | H        |        |
|          | 35        |  | H               | _        | $\dashv$ | +        | +       | T              | $\vdash$ |            |           | 85        | +        |                   | $\dashv$ | +         | $\dashv$     | +               | $\dashv$ |          | 135        | $\vdash$          | +      | +            | $\vdash \vdash$   | +       | +       | $\dashv$ |        |
|          | 36        |  |                 |          | $\Box$   |          |         |                |          |            |           | 86        |          |                   | $\Box$   |           | ightharpoons |                 |          |          | 136        |                   |        |              |                   |         |         |          |        |
|          | 37        | _  |                 | $\dashv$ | -        | $\perp$  | $\perp$ | 1              | ↓_       |            |           | 87        |          | -                 | _        | 4         | 4            |                 |          |          | 137        | Ш                 |        | ╄            | $\sqcup$          | 4       | 4       | Ц        |        |
| -        | 38<br>39  | ╁  | $\vdash$        | $\dashv$ | +        | +        | +       | $\vdash$       | +-       |            |           | 88<br>89  | +-       | +                 | +        | +         | +            | +               | -        | <u> </u> | 138<br>139 | ╁┼                | +-     | +            | $\vdash$          | +       | +       | $\dashv$ |        |
|          | 40        | Н  | $\vdash$        | $\dashv$ | $\dashv$ | +-       | +       | †-             | +        |            | <b></b> - | 90        | +        | +                 | $\vdash$ | +         | +            | +               |          | -        | 140        | ╁┼                | +      | +            | $\vdash$          | +       | +       | $\dashv$ |        |
|          | 41        |  |                 |          |          | 丁        | 上       |                |          |            |           | 91        |          |                   |          | 士         |              |                 |          |          | 141        | 口                 | 士      |              |                   | 士       |         |          |        |
|          | 42        | oxdot  |                 | $\dashv$ | $\bot$   | $\bot$   | $\perp$ | F              | L        |            |           | 92        |          | $\bot$            | $\Box$   | Ţ         | _[           | $\perp$         | _        |          | 142        | П                 | T      |              |                   | T       | $\Box$  | Д        |        |
| -        | 43<br>44  | $\vdash$   | $\vdash \vdash$ | $\dashv$ | +        | +        | +       | +-             | ⊢        |            |           | 93<br>94  | +        | +                 | $\vdash$ | +         | +            | +               | +        |          | 143        | $\vdash \vdash$   | +-     | +            | $\vdash \vdash$   | +       | +       | $\dashv$ |        |
| $\vdash$ | 45        |  |                 | $\dashv$ | +        | +        | +       | +              | +        |            |           | 95        | +        | +                 | +        | +         | +            | +               | $\dashv$ | -        | 144        | $\vdash$          | +      | +            | $\vdash$          | +       | +       | $\dashv$ |        |
|          | 46        |  |                 | 一        | _        | $\top$   |         |                | $\vdash$ |            |           | 96        | +-       | +                 | +        | +         | $\dagger$    | $\top$          | -        |          | 146        | $\dagger \dagger$ | $\top$ | +-           | $\vdash \uparrow$ | +       | +       | $\dashv$ |        |
|          | 47        |  |                 |          | $\Box$   |          |         |                |          |            |           | 97        |          |                   |          | 1         | $\Box$       |                 |          |          | 147        | 口                 |        |              |                   | 工       |         |          |        |
| -        | 48        | $\vdash$   | $\sqcup$        | 4        | _        | +        | 4       | -              | L        |            | <u> </u>  | 98        | _        | $\vdash$          |          | 4         | $\dashv$     | $\perp \perp$   | _        | <u> </u> | 148        | $\Box$            | _[_    | $\bot$       | $oxed{oxed}$      | $\perp$ | $\Box$  | $\Box$   |        |
|          | 49•<br>50 | $\vdash$   |                 | $\dashv$ | +        | +        | +       | +-             | ╁        |            |           | 99<br>100 | +        | $\vdash$          | $\dashv$ | +         | +            | $\dashv \dashv$ | $\dashv$ | <u> </u> | 149        | $\vdash$          | +      | +-           | $\vdash$          | +       | +       | $\dashv$ |        |
|          |           | 1  | $\perp$         |          |          |          |         | _              | 1        |            | لــــــا  | ,55       |          | 1                 |          | _1_       |              | _1              | ::::     |          | 1.100      | 1 1               |        |              |                   |         |         | ł        |        |

Application No.

Index of Claims

Applicant(s)